

## DEHYDROGENATION FOR MACHINE PARTS

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### Abstract of JP10204612

**PROBLEM TO BE SOLVED:** To provide a dehydrogenating method for machine parts capable of reducing hydrogen infiltrated at the time of carburizing treatment or carbonitriding treatment.  
**SOLUTION:** Machine parts are subjected to carburizing treatment or carbonitriding treatment under prescribed conditions and are thereafter held under heating in a vacuum to release diffusible hydrogen and nondiffusible hydrogen from the steel. In this way, the formation of a surface abnormal layer and the generation of soot can be prevented, and furthermore, hydrogen in the steel can be removed in a short time only by the increase of vacuum equipment without requiring the remarkable change of the equipment.

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